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Docket No. GJE-7316
Serial No. 10/533,526In the Claims:

This listing of claims will replace all prior versions and listings of claims in this application.

1 (currently amended). A method for forming an image on a substrate, which comprises coating the substrate with a substantially visible light-transparent solution, in an organic solvent, of an amine compound of molybdenum, tungsten or vanadium that changes colour on heating or irradiation, and heating or irradiating the coating, wherein the amine is a secondary or tertiary alkylamine in which each alkyl group has up to 12 carbon atoms and the amine has up to 24 carbon atoms, wherein the amine compound is of molybdenum (VI).

2 (currently amended). A method for forming an image on a substrate, which comprises coating the substrate with a substantially visible light-transparent aqueous dispersion or suspension, of an amine compound of molybdenum, tungsten or vanadium that changes colour on heating or irradiation, and heating or irradiating the coating, wherein the amine is a secondary or tertiary alkylamine in which each alkyl group has up to 12 carbon atoms and the amine has up to 24 carbon atoms, wherein the amine compound is of molybdenum (VI).

3 - 4 (cancelled).

5 (previously presented). The method according to claim 1, wherein the coating also comprises the use of an organic polymer binder.

6 (previously presented). The method according to claim 1, wherein the coating also comprises the use of a colour-former.

7 (previously presented). The method according to claim 1, wherein the substrate is substantially transparent to visible light.

8 - 9 (cancelled).

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10 (currently amended). The method according to claim [[8]]1, wherein the coating additionally comprises an IR absorber that absorbs laser radiation.

11 (currently amended). A coated substrate, wherein the coating is a substantially visible light-transparent layer comprising an amine compound of molybdenum, tungsten or vanadium that changes colour on heating or irradiation, wherein the amine is a secondary or tertiary alkylamine in which each alkyl group has up to 12 carbon atoms and the amine has up to 24 carbon atoms, and wherein the substrate is also substantially transparent to visible light, wherein the amine compound is of molybdenum (VI).

12 (previously presented). The coated substrate according to claim 11, wherein the coating also comprises an organic polymer binder.

13 (previously presented). The coated substrate according to claim 11, wherein the substrate is also substantially transparent to visible light.

14 (previously presented). The coated substrate according to claim 11, including also an image formed therein by heating or irradiation.

15 (previously presented). The coated substrate according to claim 11, wherein the coating additionally comprises an IR absorber that absorbs laser radiation.

16 (currently amended). A solution of an amine compound of molybdenum, tungsten or vanadium that changes colour on heating or irradiation and one of the following:

a thermoplastic polymer;

or a photopolymerisable monomer,

and wherein the amine is a secondary or tertiary alkylamine in which each alkyl group has up to 12 carbon atoms and the amine has up to 24 carbon atoms, wherein the amine compound is of molybdenum (VI).

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17 (canceled).

18 (previously presented). The solution according to claim 16, which is fluid at or below 150° C.

19 -- 20 (canceled).

21 (previously presented). The method according to claim 2, wherein the coating also comprises the use of an organic polymer binder.

22 (previously presented). The method according to claim 2, wherein the coating also comprises the use of a colour-former.

23 (previously presented). The method according to claim 2, wherein the substrate is substantially transparent to visible light.

24 -- 25 (canceled).

26 (currently amended). The method according to claim [[24]]2, wherein the coating additionally comprises an IR absorber that absorbs laser radiation.

27 (previously presented). The coated substrate according to claim 11, wherein the coating also comprises the use of a colour-former.

28 - 29 (canceled).

30 (new). A method for forming an image on a substrate, which comprises coating the substrate with a substantially visible light-transparent solution, in an organic solvent, of an amine compound of molybdenum, tungsten or vanadium that changes colour on heating or irradiation, and heating or irradiating the coating, wherein the amine is a secondary or tertiary alkylamine in which each alkyl

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group has up to 12 carbon atoms and the amine has up to 24 carbon atoms, wherein the coating is irradiated using a laser, and wherein the laser light has a wavelength of 800-1500 nm.

31 (new). The method according to claim 30, wherein the coating also comprises the use of an organic polymer binder.

32 (new). The method according to claim 30, wherein the coating also comprises the use of a colour-former.

33 (new). The method according to claim 30, wherein the substrate is substantially transparent to visible light.

34 (new). The method according to claim 30, wherein the coating additionally comprises an IR absorber that absorbs laser radiation.

35 (new). A method for forming an image on a substrate, which comprises coating the substrate with a substantially visible light-transparent aqueous dispersion or suspension, of an amine compound of molybdenum, tungsten or vanadium that changes colour on heating or irradiation, and heating or irradiating the coating, wherein the amine is a secondary or tertiary alkylamine in which each alkyl group has up to 12 carbon atoms and the amine has up to 24 carbon atoms, wherein the coating is irradiated using a laser, and wherein the laser light has a wavelength of 800-1500 nm.

36 (new). The method according to claim 35, wherein the coating also comprises the use of an organic polymer binder.

37 (new). The method according to claim 35, wherein the coating also comprises the use of a colour-former.

38 (new). The method according to claim 35, wherein the substrate is substantially transparent to visible light.

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39 (new). The method according to claim 35, wherein the coating additionally comprises an IR absorber that absorbs laser radiation.

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